ABSTRACT OF THE DISCLOSURE

A traffic engineering method is provided for optimizing an entire network resource, to a network divided intro a plurality of areas, each

5   area including a plurality of nodes. According to the traffic engineering method, a load-balancing process is performed in each area separately. Thus, a memory capacity required by a node carrying out the load-balancing process can be reduced by a large

10   amount, thereby achieving a high-speed load balancing process.